Hardware/software requirements for the Irena/Nika courses

To participate in this course you will need computer (notebook) with either:
1. Windows XP
2. Windows 7, 8 (or VISTA) (32 or 64 bit)
3. Mac OSX (later versions, 10.5 or higher - even though I have not tested 10.5 for long time)

Important - you will need computer with sufficient memory, CPU, and screen size:
1. At least 1Gb, better 2 Gb or more free memory (*Nika* may use a lot of memory)
2. CPU requirements are tough to judge, but *Nika* is cpu demanding. *Irena* is somehow less so, but needs serious cpu also. Most later Intel or AMD chips are likely OK.
3. Large enough screen size - **AT LEAST 768 pixels vertical size <<< THIS IS IMPORTANT**
(either physical size or "virtual" size if driver allows it, smaller vertical size will not work). Larger screens are better and more "human compatible". On 768 pixels vertical size find way to "autohide" taskbar on Windows...

Netbooks are NOT useful at all. It has been tested by prior participants. Do NOT bring them. Bring real system.

You will need Igor Pro 32 bit version 6.34 or higher. Options (you will need admin privileges here):
1. If you have license for Igor Pro 6, update to the latest version (free, www.wavemetrics.com) Follow instructions however cumbersome they may seem to be if you have old version of Igor 6.
2. If you do NOT have Igor 6 license, install the latest version (www.wavemetrics.com) as demo few days before the workshop. It will run for 30 days as full-featured demo. You **MUST** be within these 30 days to be able to use your Igor Pro and meaningfully participate.

I suggest installing my Igor software prior of the workshop - current version was posted January 5, 2014 but check for updates early May. You will need the latest version to meaningfully participate.

Best is to use following method (no admin privileges needed):
1. Install/update Igor Pro if needed (to 32bit version 6.34 or higher if posted by then)
2a. On English versions of OS (Windows or Mac): download Java installer:
        http://usaxs.xor.aps.anl.gov/staff/ilavsky/Downloads/Irena_Nika_Java_Installer_ver1.04.jar
2b. **For non English** versions of OS or when java does not work download "Universal Installer 1.23.pxp":   http://usaxs.xor.aps.anl.gov/staff/ilavsky/Downloads/Universal Installer 1.23.pxp
3. Run either the Java installer of open the pxp file (Igor "experiment") and install/update "Irena" and "Nika" packages. ALSO install separately the xop support (individual button). You can use button "Install everything", but that also adds USAXS data reduction you should not need (but it is small).

This should work if you have Internet access as the installer uses http or ftp to download the components.
Restart Igor Pro and look in Macros for "Load Irena SAS Macros" and "Load Nika 2D SAS macros". Select these options and see if the code "compiles". If you do not get error but new menu items (SAS and SAS 2D), everything should be functioning correctly.

Check with me if you see errors or something does not work before the workshop.